

In the Claims

The status of claims in the case is as follows:

1 1. [Currently amended] A method for operating a Telnet
2 client to establish a network connection with a server,
3 comprising the steps of:

4 negotiating environment parameters for establishing a
5 connection-oriented connection with said server;

6 said parameters including a request for said server to
7 provide a confirmation record containing descriptive
8 information about a connection which is held for the
9 duration of a file transfer or dialog, said
10 confirmation record selected from a set consisting of a
11 success response record and an error response record,
12 both said response records including diagnostic
13 information describing connection status including a
14 response code and a device name requested by said
15 client; and

16 responsive to said request, receiving said confirmation

17 record.

1 2. [Currently amended] The method of claim 1, said
2 request being ~~an implicit~~ implied from a specific request to
3 connect a virtual printer device.

1 3. [Currently amended] The method of claim 1, said
2 request being ~~an explicit~~ a specific request for a
3 confirmation record in connection with a request to connect
4 a virtual display device.

1 4. [Currently amended] The method of claim 1, said
2 confirmation record including a device name requested by
3 said client and assigned by said server to said client
4 connection.

1 5. [Original] The method of claim 4, said confirmation
2 record including a response code indicative of the cause of
3 a failed connection.

1 6. [Original] The method of claim 5, responsive to said
2 response code, retrying said negotiating step.

1 7. [Currently amended] The method of claim 1, ~~said client~~
2 ~~being a Telnet client, and~~ said negotiating step including
3 negotiating new environment and ~~terminal type~~ confirmation
4 record parameters.

1 8. [Currently amended] A method for operating a server in
2 a network, comprising the steps of:

3 receiving a connection request from a client;

4 inviting said client to negotiate environment
5 parameters;

6 responsive to client acceptance, negotiating said
7 parameters;

8 assigning a virtual device name requested by said
9 client to said client; and

10 responsive to receiving a request for a confirmation
11 record, providing to said client a confirmation record
12 containing descriptive information about a connection
13 which is held for the duration of a file transfer or
14 dialog ~~including~~ consisting of, for a successful
15 connection, a success response code and diagnostic
16 information including said virtual device name and, for
17 an unsuccessful connection, [[a]] diagnostic
18 information including an error return code indicative
19 of the cause of failure of said connection.

1 9. [Currently amended] A system, comprising:

2 a client;

3 a server;

4 a connection network for interconnecting said client
5 and server according to a connection oriented
6 client/server protocol in which a connection is
7 initiated and held for duration selectively of a file
8 transfer and a dialog; and

9 said server selectively operable at the application
10 level responsive to a request for a confirmation record
11 containing descriptive information about a connection
12 which is held for the duration of a file transfer or
13 dialog from said client during negotiations for a
14 connection oriented connection for providing [[in]]
15 said confirmation record to said client, said
16 confirmation record selected from a set consisting of a
17 success response record and an error response record,
18 both said records having a return code and including,
19 for a successful connection, a virtual device name
20 requested by said client and assigned by said server to
21 said client and, for an unsuccessful connection, [[a]]
22 said return code being indicative of a cause of failure
23 of said connection.

10. [Original] The system of claim 9, said server being a
Telnet server and said client a Telnet client.

1 11. [Original] The system of claim 10, said connection
2 oriented protocol being a Telnet protocol according to which
3 new environment parameters including an express or implicit

4 request for said confirmation record may be negotiated.

1 12. [Currently amended] A program storage device readable
2 by a machine, tangibly embodying a program of instructions
3 executable by a machine to perform method steps for
4 operating a client to establish a network connection with a
5 server according to a connection oriented client/server
6 protocol in which a connection is initiated and held for
7 duration selectively of a file transfer and a dialog
8 session, said method steps comprising:

9 negotiating environment parameters for establishing a
10 connection-oriented connection with said server;

11 said parameters including a request for said server to
12 provide a status record; and

13 responsive to said request, receiving said status
14 record;

15 said status record consisting of one of an error
16 response and a success response, each said response
17 consisting of diagnostic information including device

18 name requested by said client and a response code
19 selectively consisting of an error response code and a
20 success response code,.

1 13. [Currently amended] A program storage device readable
2 by a machine, tangibly embodying a program of instructions
3 executable by a machine to perform method steps for
4 operating a server in a network according to a connection
5 oriented client/server protocol in which a connection is
6 initiated and held for duration selectively of a file
7 transfer and a dialog session, said method steps comprising:

8 receiving a connection request from a client;

9 inviting said client to negotiate environment
10 parameters;

11 responsive to client acceptance, negotiating said
12 parameters;

13 assigning a virtual device name requested by said
14 client to said client; and

15 responsive to receiving a request for a status record,
16 providing to said client a status record ~~including~~
17 consisting of diagnostic information including a return
18 code including diagnostic information describing
19 connection status and, for a successful connection,
20 said virtual device name and, for an unsuccessful
21 connection, ~~[[a]]~~ said return code indicative of the
22 cause of failure of said connection.

1 14. [Currently amended] A computer program product ~~or~~
2 ~~computer program element~~ for operating a client to establish
3 a network connection with a server in a connection oriented
4 client/server protocol in which a connection is initiated
5 and held for duration selectively of a file transfer and a
6 dialog session, according to method steps said computer
7 program product comprising:

8 a computer readable medium;

9 first program instructions for negotiating environment
10 parameters for establishing a connection-oriented
11 connection with said server;

12 said parameters including a request for said server to
13 provide a status record; and

14 second program instructions, responsive to said
15 request, for receiving said status record;

16 said status record consisting of diagnostic information
17 including device name requested by said client and
18 connection status according to one of an error response
19 code and a success response code; and wherein

20 said first and second program instructions are recorded
21 on said computer readable medium.

1 15. [Currently amended] A computer program product ~~or~~
2 ~~computer program element~~ for operating a server in a network
3 according to a connection oriented client/server protocol in
4 which a connection is initiated and held for duration
5 selectively of a file transfer and a dialog session, said
6 computer program product method steps comprising:

7 a computer readable medium;

8 first program instructions for receiving a connection
9 request from a client;

10 second program instructions for inviting said client to
11 negotiate environment parameters;

12 third program instructions, responsive to client
13 acceptance, for negotiating said parameters;

14 fourth program instructions for assigning a virtual
15 device name requested by said client to said client;
16 and

17 fifth program instructions, responsive to receiving a
18 request for a status record, for providing to said
19 client a status record ~~including~~ consisting of a
20 response code and, for a successful connection, said
21 virtual device name and, for an unsuccessful
22 connection, [[a]] said return code indicative of the
23 cause of failure of said connection; and wherein

24 said first, second, third, fourth, and fifth program
25 instructions are recorded on said computer readable
26 medium.